



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 11:18 am GMT

EMDB ID : EMD-20912
Title : Group 1 H1 influenza stem nanoparticle with an H38R mutation
Authors : , Tsybovsky.Y.; , Stephens.T.; , Kanekiyo.M.; , Graham.BS.
Deposited on : 2019-11-04
Resolution : 6.40 Å(reported)

This is a Full wwPDB EM Map Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**
Validation Pipeline (wwPDB-VP) : 2.13

1 Experimental information

Property	Value	Source
EM reconstruction method	singleParticle	Depositor
Imposed symmetry	POINT, O	Depositor
Number of images used	13539	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	TFS TALOS	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	60.0	Depositor
Minimum defocus (nm)	1.5	Depositor
Maximum defocus (nm)	4.0	Depositor
Magnification	92000.0	Depositor
Image detector	FEI FALCON III (4k x 4k)	Depositor